

Application Number 10/080,083
Amendment dated August 17, 2004
Reply to Office Action of May 27, 2004

Amendments to the Specification:

Please replace the paragraph at page 1, lines 11-26 with the following amended paragraph:

As the information age develops, data transmission speed and the volume of information transmitted progressively increase. One method for storing such information is a magnetic method, which is considered a contact method. Another method is an optical method. However, for convenience and mobility of storage media, an optical storing system is favored over a magnetic disc. In a method for implementing an optical storing system, compact discs (CDs) and digital versatile discs (DVDs) have been developed. In a system for storing or restoring data using an optical disc, the amount of light reflected from the surface of a disc is varied by manipulating the surface of the disc and projecting a laser onto the surface of the disc. In an optical disc restoring system, the quantity of light reflected from the disc is converted into an electrical signal. The electrical signal is then restored into an analog signal having the same intensity. In order to sense the quantity of light reflected from the disc, a photodiode is used as a light receiving element, and the amount of current flowing through the photodiode varies according to the amount of light sensed. Depending on the kind of system, four diodes, referred ~~refereed~~ to as A, B, C, and D, to six photodiodes, referred to as A, B, C, D, E, and F, are typically used.

Please replace the paragraph at page 6, lines 1-4 with the following amended paragraph:

A0, B0, C0, and D0 denote voltage signals determined by converting the current output from four light receiving elements, that is, four photodiodes, into voltage signals. Four light receiving elements are used in a preferred embodiment of FIG. 2, but six or more light ~~ight~~ receiving elements may be used.